

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

{e1}Claim 1: (CURRENTLY AMENDED) A liquid-jet head, including a passage-forming substrate in which a pressure generating chamber communicating with a nozzle orifice ejecting a liquid is defined, and a piezoelectric element composed of a lower electrode, a piezoelectric layer and an upper electrode on one surface of the passage-forming substrate with a vibration plate interposed therebetween, the liquid-jet head comprising: a sealing plate joined towards a piezoelectric element side of the passage-forming substrate and having a piezoelectric element holding portion, the sealing plate hermetically sealing a space secured in a region facing to the piezoelectric element in such a way that it does not hinder a movement thereof, wherein: at least a part of a peripheral portion of the piezoelectric element holding portion of the sealing plate is joined to the passage-forming substrate via a glass joining layer made of glass, and the glass joining layer is formed over an inner surface of the piezoelectric element holding portion.

{e2}Claim 2: (CURRENTLY AMENDED) The liquid-jet head according to claim 1, wherein the glass constituting the glass joining layer contains a gettering agent for trapping moisture.

~~{e3}~~Claim 3: (CURRENTLY AMENDED) The liquid-jet head according to claim 2,
wherein the gettering agent contains phosphorous.

~~{e4}~~Claim 4: (CURRENTLY AMENDED) The liquid-jet head according to claim 1,
wherein the glass constituting the glass joining layer contains a filler.

~~{e5}~~Claim 5: (CURRENTLY AMENDED) The liquid-jet head according to claim 4,
wherein the filler is made of at least one kind selected from a group including titania, zirconia
and alumina.

~~{e6}~~Claim 6: (CURRENTLY AMENDED) A liquid-jet apparatus comprising the liquid-
jet head according to claim 1.